



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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TONY

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December 27, 1993

Mr. Max D. Adams
Uintah County Commission Chairman
152 East 100 North
Vernal, Utah 84078

Re: Conditional Approval, Notice of Intention to Revise Mining Operations, Uintah County Asphalt Mine, Uintah County (operator), M/047/022, Uintah County, Utah

Dear Mr. Adams & County Commission Members:

The Division has completed a review of your Notice of Intention to Revise Mining Operations received July 9, 1993. We apologize for the lengthy response time; however, Mr. Felch indicated that this proposal would not need to be acted upon until Winter 1994. Based on the information submitted, the Division would classify this proposal as an amendment to the existing Large Mining Operations Notice of Intention. An amendment does not require the 30 day public notice period. The information contained in the submission satisfies the requirements of the Minerals Rules for an amendment.

In order to amend this proposal into the existing mine plan, we would usually ask the operator to increase the amount of reclamation surety to cover the cost of reclamation for the amended area. A revised Reclamation Contract which includes the amendment area is also usually required. In this case, there is no formal reclamation surety or reclamation contract for these operations. There is an agreement between Uintah County and the Board of Oil, Gas and Mining instead of the usual reclamation surety and reclamation contract. That agreement was recognized by the Board in July 1989.

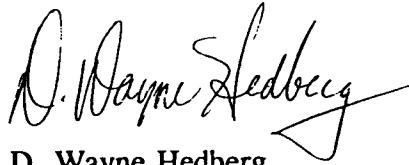
Because of this unusual circumstance, we have prepared a revised reclamation cost estimate for the mine site which includes the area to be amended. Our revised estimate uses information from the 1988 estimate with current unit costs and current escalation. A copy of this estimate is attached. In addition, we have prepared a Reclamation Contract (Form MR-RC) to cover the existing permit area and the newly amended permit area. Please review this attached form, add the missing information and appropriate signatures, and return it to the Division as soon as possible.



Page 2
Max D. Adams
M/047/022
December 27, 1993

If you have any questions regarding this letter, please call me or Anthony Gallegos of the Minerals staff. Thank you for your cooperation in completing this permitting action.

Sincerely,

A handwritten signature in black ink, reading "D. Wayne Hedberg". The signature is fluid and cursive, with a large, stylized "H" and "B".

D. Wayne Hedberg
Permit Supervisor
Minerals Reclamation Program

jb
Attachments
cc: Lowell Braxton, DOGM
M047022.let

RECLAMATION ESTIMATE

DRAFT

Uintah County

last revision

10/18/93

Asphalt Mine

Uintah County

PAGE 1/3

M/047/022

filename M47-22.WQ1

Prepared by Utah State Division of Oil, Gas & Mining

Reclamation Details

- This estimate is based on the estimate in the 1988 reclamation plan
- Acreages: R-1 8.3 acres, R-2 7.0 acres, R-3 18.1 acres, R-4 11.8 acres, R-5 17.3 acres
- July 1993 amendment adds area R-6 with 8 acres disturbance, 16.5 acres permit area
- Productivity levels and times taken from the 1988 estimate when possible
- Reclamation tasks for the R-6 area were assumed to be similar to R-4 area
- ASSUME an average seed mix cost per acre of 65 \$/acre
- USE cost for D8N dozer for earthwork & discing of 208 \$/hr
- ASSUME a fertilizer cost per pound of 0.25 \$/lb
- ASSUME drill seeding cost, including mulch, is 110 \$/acre
- USE \$42/hr for broadcast seeding 42 \$/hr
- USE a monitoring cost per area of 600 \$/area
- USE a cleanup cost of 12 \$/hr
- ASSUME: mobilization of 1 dozer; landfill fee for debris

AREA R-1		8.33 acre		
Description	Amount		\$/Unit	Cost-\$
Earthwork (600 CY/hr)	8 hr		208	1,726
Discing (4.35 acre/hr)	2 hr		208	398
Drill seeding (2.18 acre/hr)	4 hr		110	420
Broadcast seeding-truck (4.8 acre/hr)	2 hr		42	71
Seed Mix	8 acre		65.00	541
Fertilizer (200 lb/acre)	1,666 lb		0.25	417
Monitoring (1 day/yr for 3 yrs)	1 area		600	600
SUBTOTAL R-1				\$4,174

AREA R-2		7.02 acre		
Description	Amount		\$/Unit	Cost-\$
Earthwork (600 CY/hr)	7 hr		208	1,456
Discing (4.35 acre/hr)	2 hr		208	336
Drill seeding (2.18 acre/hr)	3 hr		110	354
Broadcast seeding-truck (4.8 acre/hr)	13 hr		42	549
Seed Mix	7 acre		65.00	456
Fertilizer (200 lb/acre)	1,404 lb		0.25	351
Monitoring (1 day/yr for 3 yrs)	1 area		600	600
SUBTOTAL R-2				\$4,102

AREA R-3		18.1 acre	PAGE 2/3	
Description	Amount		\$/Unit	Cost-\$
Earthwork (600 CY/hr, grading to 3:1)	176 hr		208	36,608
Discing (4.35 acre/hr)	4 hr		208	865
Drill seeding (2.18 acre/hr)	8 hr		110	913
Broadcast seeding-truck (4.8 acre/hr)	1 hr		42	58
Seed Mix	18 acre		65.00	1,177
Fertilizer (200 lb/acre)	3,620 lb		0.25	905
Monitoring (1 day/yr for 3 yrs)	1 area		600	600
SUBTOTAL R-3				\$41,126

AREA R-4		11.84 acre		
Description	Amount		\$/Unit	Cost-\$
Earthwork (600 CY/hr)	31 hr		208	6,490
Discing (4.35 acre/hr)	3 hr		208	566
Drill seeding (2.18 acre/hr)	5 hr		110	597
Broadcast seeding-truck (4.8 acre/hr)	3 hr		42	125
Seed Mix	12 acre		65.00	770
Fertilizer (200 lb/acre)	2,368 lb		0.25	592
Monitoring (1 day/yr for 3 yrs)	1 area		600	600
SUBTOTAL R-4				\$9,740

AREA R-5		17.25 acre		
Description	Amount		\$/Unit	Cost-\$
Earthwork (600 CY/hr)	48 hr		208	9,901
Discing (4.35 acre/hr)	4 hr		208	825
Drill seeding (2.18 acre/hr)	8 hr		110	870
Broadcast seeding-truck (4.8 acre/hr)	2 hr		42	95
Seed Mix	17 acre		65.00	1,121
Fertilizer (200 lb/acre)	3,450 lb		0.25	863
Monitoring (1 day/yr for 3 yrs)	1 area		600	600
Cleanup & structural removal	128 hr		12	1,536
Landfill fee for debris	1 sum		100	100
SUBTOTAL R-5				\$15,911

AREA R-6 (NEW AREA)		8 acre	PAGE 3/3
Description	Amount	\$/Unit	Cost-\$
Earthwork (600 CY/hr) ASSUMED	16 hr	208	3,328
Discing (4.35 acre/hr)	2 hr	208	383
Drill seeding (2.18 acre/hr)	4 hr	110	404
Broadcast seeding-truck (4.8 acre/hr)	1 hr	42	42
Seed Mix	8 acre	65.00	520
Fertilizer (200 lb/acre)	1,600 lb	0.25	400
Monitoring (1 day/yr for 3 yrs)	1 area	600	600
	SUBTOTAL R-6		\$5,676
Equipment mobilization	1 each		1000
	SUBTOTAL ALL AREAS		81,729
	+ 10% CONTINGENCY		8,173
	SUBTOTAL		89,902
	+5yr ESCAL (1.42%)		6,567
	TOTAL		\$96,469
	ROUNDED TOTAL IN 1998-\$		\$96,500
Average cost per acre =	1,368 \$/acre		
Total acreage =	62.2 acre		